METHOD 9 VISIBLE EMISSION OBSERVATION FORM

Date:	April 6,2016
Observer:	Ethan Chatfield
Affiliation:	M.S. EPA
	-
Shov	north arrow, wind direction and sun position:

Source name: AEP-Gavin Station
Source address: 7397 State Route 7 North
Cheshive, Ohio 45620

Facility type: <u>Coal-Fixed power plant</u>

Emission location (stack, roof, etc.):

Stack

Stack

Direction from emission location:

East

Plume color: bluish white

Background: 5kg

Estimated emission location height:

Stack height = ~830 feet

Estimated distance to emission location:

~2,500 feet

Additional Comments

(photos/video taken, etc.):

Background color: blve twhite

Sky color: blve/white
Cloud color: white

Estimated wind speed: ~ 12 mph
Approximate wind direction: S to SW

63°F

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40 C.F.R. Part 60, Appendix A, Reference Method 9

North Arrow

Wind Direction

2.3 Observations, "Opacity observations shall be made at the point of greatest opacity in that portion of the plume where condensed water vapor is not present.

>Observer

140°

→ Emission Location

2.3.1 Attached Steam Phimes. "When condensed water vapor is present within the plume as it emerges from the emission outlet, opacity observations shall be made beyond the point in the plume at which condensed water vapor is no longer visible. The observer shall record the approximate distance from the emission outlet to the point in the plume at which the observations are made."

Temperature:

2.3.2 Detached Steam Plume. "When water vapor in the plume condenses and becomes visible at a distinct distance from the emission outlet, the opacity of emissions should be evaluated at the emission outlet prior to the condensation of water vapor and the formation of the steam plume."

"On an overcast day when no shadows are observed and the lighting is diffuse or flat, this rule might not be as important from a scientific standpoint as on a bright, sunny day. Observers might have trouble defending their positions in court if they disregard the rule. The best practice for an observer is to always have the sun at his or her back, even if it is not visible and no shadows are cost." http://www.epa.gov/tin/emo/nethods/VECourse.pdf

		Seconds			Steam	Plume?]	
Time	Minute	0	15	30	45	Attached	Detached	Comments
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·	3	60	55	60	60			
	4	60	75	65	65			
	- 5	70	40	60	65			
	6	60	40	55	70			
	7	60	55	60	60			
	8	60	40	70	60	ľ		
	9	50	65	65	65			
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Signature:
Date last certified:

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